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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/090,491	03/04/2002	Ewa M. Kubalska	5181-86000	5070

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EXAMINER

DANG, KHANH NMN

ART UNIT PAPER NUMBER

2111

DATE MAILED: 06/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	Application No.	Applicant(s)	
	10/090,491	KUBALSKA ET AL.	
	Examiner	Art Unit	
	Khanh Dang	2111	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 7 is/are rejected.
- 7) ☒ Claim(s) 8 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |  |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 7 is rejected under 35 U.S.C. 102(e) as being anticipated by Langendorf.

As broadly drafted, claim 7 does not define any structure that differs from Langendorf (6,624,817).

With regard to claim 7, Langendorf discloses a system (see Fig. 8 of Langendorf and description thereof) for arbitrating control of a data bus, the system comprising: a request opcode bus (for signal 821/831, column 11, lines 33-43); a reply opcode bus (for signals 822/832, column 11, lines 55-58); and arbitration control logic (925/955, Fig. 9) coupled to a slave unit (a slave AGP 900 connected a master AGP as shown in Fig. 8, note also that the AGP 900 can be either master or slave) to through the request opcode bus (for signal 821/831, column 11, lines 33-43), the reply opcode bus (for signals 822/832, column 11, lines 55-58) and the data bus (connected to data transaction interface 930), wherein the arbitration control logic (925/955, Fig. 9) is

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configured to send a first opcode (first instruction/request) to the slave unit (a slave AGP 900 connected a master AGP as shown in Fig. 8, note also that the AGP 900 can be either master or slave) through the request opcode bus (for signal 821/831, column 11, lines 33-43) in response to (a) receiving a write request from a transfer request buffer (for storing write data queue) and (b) being in an electrically sensing state (before "granting" from the arbitration) with respect to said data bus (connected to data transaction interface 930), wherein the arbitration logic (925/955, Fig. 9) is further configured to (c) switch to an electrically driving state (after "granting" from arbitration) with respect to said data bus (connected to data transaction interface 930) and (d) write data values (via data transaction interface 930), corresponding to the write request, to the slave unit (a slave AGP 900 connected a master AGP as shown in Fig. 8, note also that the AGP 900 can be either master or slave) through the data bus (connected to data transaction interface 930), in response to receiving a token from the slave unit (a slave AGP 900 connected a master AGP as shown in Fig. 8, note also that the AGP 900 can be either master or slave) through the reply opcode bus (for signals 822/832, column 11, lines 55-58).

***Allowable Subject Matter***

Claims 1-6 allowed.

Claim 8 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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U.S. Patent Nos. 5,848,072 to Prill et al., 4,972,432 to Wilson et al., and 6,643,787 to Zerbe et al. are cited as relevant art.

Any inquiry concerning this communication should be directed to Khanh Dang at telephone number 703-308-0211.

*Khanh Dang*

Khanh Dang  
Primary Examiner

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